



d this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231 (703)746-4000

Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a few correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Laplety in

7590

06/27/2002

STEPHEN R MAY INTELLECTUAL PROPERTY SERVICES **BATTELLE MEMORIAL INSITUTE** PACIFIC NORTHWEST DIVISION RICHLAND, WA 99352

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Rebecca B. Rupp (Depositor's nam WPT 2002 (Date

ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 5345 09/375,614 08/17/1999 ANNA LEE Y. TONKOVICH B-1479

TITLE OF INVENTION: CHEMICAL REACTOR AND METHOD FOR GAS PHASE REACTANT CATALYTIC REACTIONS

| EXAMINER  LANGEL, WAYNE A  1754  208-108000  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).  1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).  1. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  2. For printing on the patent front page, list (1) the names of up to 2 gents OR, alternatively, (2) the name of up | TE DUE          |
|--|-----------------|
| LANGEL, WAYNE A  1754  1755  1754  1754  1754  1754  1754  1754  1754  1754  1754  1754  1755  1754  1756  1 | 27/2002         |
| LANGEL, WAYNE A 1754 208-108000  Change of correspondence address or indication of "Fee Address" (37 Fee 1.563).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  In Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  In Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  In Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached.  In Change of correspondence address (or Change of Correspondence address (or Change of Correspondence address or agents of the part of  |                 |
| Change of correspondence address or indication of "Fee Address" (37 PR 1.563).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/12) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/12) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/12) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/12) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/12) attached.  Change of correspondence address (or Change of Correspondence Address form PTO/SB/12) attached.  Change of correspondence address (or Change of Correspondence Address form pto 3 registered patent attorneys or agents. OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.  SSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  EASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent, Inclusion of assignee data is only appropriate when an acap previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Battelle Memorial Institute  Richland, WA 99352  use check the appropriate assignee category or categories (will not be printed on the patent)  Challenge of the patent attorneys or agent, and the name of a single firm (having as a member a registered patent attorneys or agent, and the name of the patent, Inclusion of assignment is not provided to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Disciplination of Fee (Advance Order + # of Copies   |                 |
| the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and | •               |
| Address form PTO/SB/122) attached.  2 Fee Address* indication (or "Fee Address" Indication form PTO/SB/47) strached. Use of a Customer Number is required.  SSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  EASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Battelle Memorial Institute  Richland, WA 99352  asse check the appropriate assignee category or categories (will not be printed on the patent)  The following fee(a) are enclosed:  A check in the amount of the fee(a) is enclosed.  Deposit Account Number U2-12/5 (enclose an extra copy of this form).  The success Signature)  (Date)  (Date)  10/04/2002 INSUTENZ 00000014 021275 093  The Commissioner or other party in the patent of the United States Fatent and Trademark Office.  |                 |
| Tee Address* indication (or "Fee Address* Indication form PTO/SB/47) strached. Use of a Customer Number is required.  In registered patent attorneys or agents. If no name is listed, no name will be printed.  It is listed, no name will be printed. | <u>sen</u> berg |
| LEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an asen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Battelle Memorial Institute  Richland, WA 99352  asse check the appropriate assignee category or categories (will not be printed on the patent)  The following fee(s) are enclosed:  (Issue Fee  Publication Fee  Advance Order - # of Copies 18  Advance Order - # of Copies 18  Commissioner is berekt, authorized by charge the required fee(s), or credit any or Deposit Account Number V2-12/5 (enclose an extra copy of this form).  Thorized Signature)  (Date)  (Dat |                 |
| LEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an a sen previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.  A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  Battelle Memorial Institute  Richland, WA 99352  asse check the appropriate assignee category or categories (will not be printed on the patent)  The following fee(s) are enclosed:  A check in the amount of the fee(s) is enclosed.  Basse Fee  UA check in the amount of the fee(s) is enclosed.  Advance Order - # of Copies 18  Cotthe Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number 12-12/5 (enclose an extra copy of this form).  The laste Fee and Publication Fee (if required) will not be accepted from anyone here than the applicant; a registered attempt or the assignee or other party in terest as shown by the records of the United States Fatent and Trademark Office.  At Fr. 149 1320 60 614   |                 |
| ase check the appropriate assignee category or categories (will not be printed on the patent)  The following fee(s) are enclosed:  A check in the amount of the fee(s) is enclosed.  Publication Fee  Advance Order - # of Copies 18  OTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone there than the applicant; a registered attriney or agent; or the assignee or other party in terest as shown by the records of the United States Patent and Trademark Office.  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of Fee(s):  Individual (Q corporation or other private group entity 4b. Payment of the fee(s):  Individual (Q corporation or other private group entity 4b. Payment of the fee(s):  Individual (Q corporation or other private group entity 4b. Payment of the fee(s):  Individual (Q corporation or other private group entity 4b. Payment of the fee(s):  Individual (Q corporation or other private group entity 4b. Payment of the fee(s):  Individual (Q corporation or other private group entity 4b. Payment of the fee(s):  Individual ( | assignment      |
| ase check the appropriate assignee category or categories (will not be printed on the patent)  The following fee(a) are enclosed:  Ab. Payment of Fee(a):  A check in the amount of the fee(a) is enclosed.  Publication Fee  Advance Order - # of Copies 18  Commissioner is bereits authorized by charge the required foe(s), or credit any or Deposit Account Number 12-12/5 (enclose an extra copy of this form).  The following fee(a) are enclosed:  Commissioner for Processing and the required foe(s) are credit any or Deposit Account Number 12-12/5 (enclose an extra copy of this form).  Correction or other private group entity deposits and the fee(a) is enclosed.  Correction or other private group entity deposits and the fee(a) is enclosed.  Correction or other private group entity deposits and the fee(a) is enclosed.  Correction of the fee(a) is enclosed.  Correction or other private group entity deposits and the fee(a) is enclosed.  Correction of the fee(a) is enclosed.  Correction or other private group entity deposits and the fee(a) is enclosed.  Correction of t |                 |
| The following fee(s) are enclosed:    A check in the amount of the fee(s) is enclosed.   D A check in the amount of the fee(s) is enclosed.   D Payment by credit card. Form PTO-2038 is attached.   D Payment by credit card. Form PTO-2038 is attached.   XXThe Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number   U2=12/5 (enclose an extra copy of this form).   A control of the fee(s) is enclosed.   XXThe Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number   U2=12/5 (enclose an extra copy of this form).   A control of the fee(s) is enclosed.   XXThe Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number   U2=12/5 (enclose an extra copy of this form).   Charge   Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number   U2=12/5 (enclose an extra copy of this form).   Charge   Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number   U2=12/5 (enclose an extra copy of this form).   Charge   Commissioner is hereby authorized by charge the required fee(s), or credit any or Deposit Account Number   U2=12/5 (enclose an extra copy of this form).   Charge   Cha |                 |
| The following fee(s) are enclosed:    A check in the amount of the fee(s) is enclosed.   Publication Fee   | O governa       |
| Publication Fee   Publication Fee   Description  |                 |
| Publication Fee  Advance Order - # of Copies   |                 |
| Advance Order - # of Copies  |                 |
| of thorized Signature)  (Date)  (Date)  (T)  (Date)  (OTE: The Issue Fee and Publication Fig. (if required) will not be accepted from anyone there than the applicant; a registered attrney or agent; or the assignee or other party in terrest as shown by the records of the United States Patent and Trademark Office.  | werpayment,     |
| OTE: The Issue Fee and Publication Fig. (if required) will not be accepted from anyone ther than the applicant; a registered attempt or agent; or the assignee or other party in attrest as shown by the records of the United States Patent and Trademark Office.  (Date)  10/04/2002 DMGUYEN2 00000014 021275 093  | ed above.       |
| OTE: The Issue Fee and Publication Fig. (if required) will not be accepted from anyone there than the applicant; a registered attrney or agent; or the assignee or other party in terrest as shown by the records of the United States Patent and Trademark Office.  |                 |
| ther than the applicant; a registered atterney or agent; or the assignee or other party in iterest as shown by the records of the United States Patent and Trademark Office.   | 397141          |
|  | 375614          |
| brain or retain a benefit by the public which is to file (and by the USFTO to process) an polication. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is dimatted to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual see. Any comments on the amount of time you require to complete this form and/or regestions for reducing this burden, should be sent to the Chief Information Officer, U.S. atent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO OT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: ommissioner for Patents, Washington, DC 20231.  |                 |

TRANSMIT THIS FORM WITH FEE(S)

PTOL-85 (REV. 04-02) Approved for use through 01/31/2004. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

